02/09/2010

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NOTICE OF ALLOWANCE AND FEE(S) DUE

65913 7590

EXAMINER RAO, SHRINIVAS H

NXP, B.V.

SAN JOSE, CA 95131

NXP INTELLECTUAL PROPERTY & LICENSING M/S41-SJ 1109 MCKAY DRIVE

ART UNIT PAPER NUMBER

2814

DATE MAILED: 02/09/2010

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/580,619 | 05/24/2006 | Raymond J.E. Hueting | GB03 0213 US1 | 5566 |

TITLE OF INVENTION: TRENCH MOSFET

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1510 | \$300 | \$0 | \$1810 | 05/10/2010 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current **SMALL ENTITY status:**

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

| appropriate. All further indicated unless correct maintenance fee notifica CURRENT CORRESPONE | Not Fee pap | te: A certificate of restart to the control of the certificate of restart to the certification of the certificatio | nailing can only be used s certificate cannot be use paper, such as an assign | ent correspondence address as eparate "FEE ADDRESS" for for domestic mailings of the d for any other accompanying ment or formal drawing, must | | | |
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| M/S41-SJ | CTUAL PROPERT | Y & LICENSING | | Cert | of mailing or transmission ificate of Mailing or Tra s Fee(s) Transmittal is be ith sufficient postage for : Stop ISSUE FEE addre O (571) 273-2885, on the | | |
| 1109 MCKAY I SAN JOSE, CA | | | | | | (Depositor's name) | |
| ,, | | | | | | (Signature) | |
| | | | | | | (Date) | |
| APPLICATION NO. | FILING DATE | | FIRST NAMED INVENTOR | 2 | ATTORNEY DOCKET NO. | . CONFIRMATION NO. | |
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| TITLE OF INVENTION | | 100 HE FEE DUE | NUTL ICATION ITE DUE | DDEV DATE ISSUE | TOTAL PER(S) D | UE DATE DUE | |
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| nonprovisional | NO | \$1510 | \$300 | \$0 7 | \$1810 | 05/10/2010 | |
| | MINER | ART UNIT | CLASS-SUBCLASS | _ | | | |
| | RINIVAS H lence address or indicatio | 2814 | 257-330000 2. For printing on the page 257-330000 | - t- t C- t L- | | | |
| CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON | | | or agents OR, alternati (2) the name of a sing registered attorney or 2 registered patent atto listed, no name will be THE PATENT (print or ty | 1) the names of up to 3 registered patent attorneys r agents OR, alternatively, 2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to registered patent attorneys or agents. If no name is sted, no name will be printed. PATENT (print or type) | | | |
| recordation as set for (A) NAME OF ASSI | th in 37 CFR 3.11. Comj GNEE | oletion of this form is NO | T a substitute for filing an (B) RESIDENCE: (CIT) | assignment. Y and STATE OR C | OUNTRY) | e document has been filed for | |
| Please check the appropr | riate assignee category or | categories (will not be pr | rinted on the patent): | Individual ☐ Co | rporation or other private | group entity Government | |
| 4a. The following fee(s) | are submitted: | 41 | b. Payment of Fee(s): (Plead A check is enclosed. | ase first reapply an | y previously paid issue f | ee shown above) | |
| ☐ Issue Fee☐ Publication Fee (No small entity discount permitted) | | | Payment by credit card. Form PTO-2038 is attached. | | | | |
| Advance Order - # of Copies | | | The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). | | | | |
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| | ns SMALL ENTITY state | | | | L ENTITY status. See 37 | | |
| interest as shown by the | records of the United Sta | uired) will not be accepte ites Patent and Trademark | d from anyone other than Coffice. | the applicant; a regis | stered attorney or agent; or | r the assignee or other party in | |
| Authorized Signature | | | | Date | | | |
| Typed or printed name | | | | - | 0 | | |
| This collection of inform an application. Confider submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 22: | ntiality is governed by 35 dapplication form to the ions for reducing this bu Virginia 22313-1450. DC | CFR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the ONOT SEND FEES OR | on is required to obtain or 1.14. This collection is es depending upon the indiection office the complete of | retain a benefit by the timated to take 12 n vidual case. Any co- er, U.S. Patent and O THIS ADDRESS | ne public which is to file (; ninutes to complete, inclumments on the amount of Trademark Office, U.S. D . SEND TO: Commission | and by the USPTO to process) ding gathering, preparing, and time you require to complete epartment of Commerce, P.O. er for Patents, P.O. Box 1450, | |

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| 65913 75 | 590 02/09/2010 | | EXAM | INER | |
| NXP, B.V. | | | RAO, SHRINIVAS H | | |
| NXP INTELLECTUAL PROPERTY & LICENSING | | | ART UNIT | PAPER NUMBER | |
| M/S41-SJ 1109 MCKAY DR SAN JOSE, CA 95 | | | 2814 DATE MAILED: 02/09/201 | 0 | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 407 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 407 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

| | Application No. | Applicant(s) | | | | |
|---|--|--|---|--|--|--|
| | 10/580,619 | HUETING ET AL. | | | | |
| Notice of Allowability | Examiner | Art Unit | | | | |
| | STEVEN H. RAO | 2814 | | | | |
| The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313 1. This communication is responsive to an amendment filed 13 | (OR REMAINS) CLOSED i or other appropriate comm GHTS. This application is and MPEP 1308. | n this application. If not included unication will be mailed in due course. THIS | | | | |
| 2. ☑ The allowed claim(s) is/are <u>1 and 3-15</u> . | | | | | | |
| Acknowledgment is made of a claim for foreign priority un a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: | been received. been received in Application | on No |) | | | |
| Applicant has THREE MONTHS FROM THE "MAILING DATE" on noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submi | ENT of this application. tted. Note the attached EX | AMINER'S AMENDMENT or NOTICE OF | | | | |
| INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date (b) Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. | | | | | | |
| Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material | 6. | oformal Patent Application ummary (PTO-413), /Mail Date Amendment/Comment Statement of Reasons for Allowance | | | | |

Response to Amendment

Applicants' amendment fled on November 05, 2009 has been entered and forwarded to the Examiner on November 17, 2009.

Therefore Claims 1 and 3-15 as recited in the amendment are currently pending in the application.

Claim 2 was previously cancelled.

Information Disclosure Statement

To date no IDS has been filed in this case.

Allowable Subject Matter

- 1. Claims1 and 3-15 are allowed.
- 2. The following is an examiner's statement of reasons for allowance:
- 3. The applied prior art of record does not reasonably allow a proper 102/103 rejection to be maintained. The applied prior art does not describe/show the FET device recited in the only independent claim 1, including a" The region between the body region and the drain region is made up of exclusively the drift region exclusively of the first conductivity type.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to STEVEN H. RAO whose telephone number is (571)272-1718. The examiner can normally be reached on 8.30-5.30.

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Art Unit: 2814

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on 571-272-1714. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Howard Weiss/ Primary Examiner, Art Unit 2814 /Steven H Rao/ Examiner, Art Unit 2814